

B/1



PCT09

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/913,728

DATE: 01/22/2002
TIME: 10:30:33

Input Set : A:\84335143.app
Output Set: N:\CRF3\01182002\I913728.raw

3 <110> APPLICANT: KITAMURA, TOSHI
4 FUJIO, KEISHI
6 <120> TITLE OF INVENTION: CYTOKINE RECEPTOR-LIKE PROTEINS
8 <130> FILE REFERENCE: 084335/0143
10 <140> CURRENT APPLICATION NUMBER: 09/913,728
C--> 11 <141> CURRENT FILING DATE: 2001-12-17
13 <150> PRIOR APPLICATION NUMBER: JP 1999-041936
14 <151> PRIOR FILING DATE: 1999-02-19
16 <160> NUMBER OF SEQ ID NOS: 34
18 <170> SOFTWARE: PatentIn Ver. 2.1
20 <210> SEQ ID NO: 1
21 <211> LENGTH: 1278
22 <212> TYPE: DNA
23 <213> ORGANISM: Mus musculus
25 <220> FEATURE:
26 <221> NAME/KEY: CDS
27 <222> LOCATION: (59)..(1135)
29 <400> SEQUENCE: 1
30 accggctcgg accgaaccag ctgtcaatca ctgcagcgtc cgccggcccg ccggcgac 58
32 atg gca tgg gca ctc gcg gtc atc ctc ctg cct cgg ctc ctt acg gcg 106
33 Met Ala Trp Ala Leu Ala Val Ile Leu Leu Pro Arg Leu Leu Thr Ala
34 1 5 10 15
36 gca gcg gcg gcg gcg gtg acg tca cgg ggt gat gtc aca gtc gtc 154
37 Ala Ala Ala Ala Ala Val Thr Ser Arg Gly Asp Val Thr Val Val
38 20 25 30
40 tgc cat gac ctg gag acg gtg gag gtc acg tgg ggc tgc ggc ccc gac 202
41 Cys His Asp Leu Glu Thr Val Glu Val Thr Trp Gly Ser Gly Pro Asp
42 35 40 45
44 cac cac ggc gcc aac ttg acg ctg gag ttc cgt tat ggt act ggc gcc 250
45 His His Gly Ala Asn Leu Ser Leu Glu Phe Arg Tyr Gly Thr Gly Ala
46 50 55 60
48 ctg caa ccc tgc ccg cga tat ttc ctg tcc ggc gct ggt gtc act tcc 298
49 Leu Gln Pro Cys Pro Arg Tyr Phe Leu Ser Gly Ala Gly Val Thr Ser
50 65 70 75 80
52 ggg tgc atc ctc ccc gcg agg gcg ggg ctg ctg gag ctg gca ctg 346
53 Gly Cys Ile Leu Pro Ala Ala Arg Ala Gly Leu Leu Glu Leu Ala Leu
54 85 90 95
56 cgc gac gga ggc ggg gcc atg gtg ttt aag gct agg cag cgc gcg tcc 394
57 Arg Asp Gly Gly Ala Met Val Phe Lys Ala Arg Gln Arg Ala Ser
58 100 105 110
60 gcc tgg ctg aag ccc cgc cca cct tgg aat gtg acg ctg ctc tgg aca 442
61 Ala Trp Leu Lys Pro Arg Pro Pro Trp Asn Val Thr Leu Leu Trp Thr
62 115 120 125

ENTERED

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/913,728

DATE: 01/22/2002

TIME: 10:30:33

Input Set : A:\84335143.app

Output Set: N:\CRF3\01182002\I913728.raw

64 cca gac ggg gac gtg act gtc tcc tgg cct gcc cac tcc tac ctg ggc	490
65 Pro Asp Gly Asp Val Thr Val Ser Trp Pro Ala His Ser Tyr Leu Gly	
66 130 135 140	
68 ctg gac tac gag gtg cag cac cgg gag agc aat gac gat gag gac gcc	538
69 Leu Asp Tyr Glu Val Gln His Arg Glu Ser Asn Asp Asp Glu Asp Ala	
70 145 150 155 160	
72 tgg cag acg acc tca ggg ccc tgc tgt gac ttg aca gtg ggc ggg etc	586
73 Trp Gln Thr Ser Gly Pro Cys Cys Asp Leu Thr Val Gly Gly Leu	
74 165 170 175	
76 gac ccc gcg cgc tgc tat gac ttc cgg gtt cgg gcg tgg ccc cgg gcc	634
77 Asp Pro Ala Arg Cys Tyr Asp Phe Arg Val Arg Ala Ser Pro Arg Ala	
78 180 185 190	
80 gcy cac tat ggc ctg gag gcy cag cct agc gag tgg aca gcy gtg aca	682
81 Ala His Tyr Gly Leu Ala Gln Pro Ser Glu Trp Thr Ala Val Thr	
82 195 200 205	
84 agg ctt tcc ggg gca gca tcc gcy gcc tcc tgg acc gca agc ccc gcy	730
85 Arg Leu Ser Gly Ala Ala Ser Ala Ala Ser Cys Thr Ala Ser Pro Ala	
86 210 215 220	
88 cca tcc ccg gcc ctg gcc ccg ccc ctc ctg ccc ctg ggc tgc ggc cta	778
89 Pro Ser Pro Ala Leu Ala Pro Pro Leu Leu Pro Leu Gly Cys Gly Leu	
90 225 230 235 240	
92 gca gcy ctg ctg aca ctg tcc ctg ctc ctg gcc gcy ctg agg ctt cgc	826
93 Ala Ala Leu Leu Thr Leu Ser Leu Leu Ala Ala Leu Arg Leu Arg	
94 245 250 255	
96 agg gtg aaa gat gcy ctg ctg ccc tgc gtc cct gac ccc agc gcy tcc	874
97 Arg Val Lys Asp Ala Leu Leu Pro Cys Val Pro Asp Pro Ser Gly Ser	
98 260 265 270	
100 ttc cct gga ctc ttt gag aag cat cac ggg aac ttc cag gcy tgg att	922
101 Phe Pro Gly Leu Phe Glu Lys His His Gly Asn Phe Gln Ala Trp Ile	
102 275 280 285	
104 gcy gac gcc cag gcc aca gcc ccg cca gcc agg acc gag gag gaa gat	970
105 Ala Asp Ala Gln Ala Thr Ala Pro Pro Ala Arg Thr Glu Glu Glu Asp	
106 290 295 300	
108 gac ctc atc cac ccc aag gct aag agg gtg gag ccc gag gac gcy acc	1018
109 Asp Leu Ile His Pro Lys Ala Lys Arg Val Glu Pro Glu Asp Gly Thr	
110 305 310 315 320	
112 tcc ctc tgc acc gtg cca agg cca ccc agc ttc gag cca agg ggg ccg	1066
113 Ser Leu Cys Thr Val Pro Arg Pro Pro Ser Phe Glu Pro Arg Gly Pro	
114 325 330 335	
116 gga gcy ggg gcc atg gtg tca gtg gcy ggg gcc acg ttc atg gtg gcy	1114
117 Gly Gly Ala Met Val Ser Val Gly Gly Ala Thr Phe Met Val Gly	
118 340 345 350	
120 gac agc gcy tac atg acc ctg tgaccttgaa gtcactgcc a gtctatactt	1165
121 Asp Ser Gly Tyr Met Thr Leu	
122 355	
124 caggctgagg tcacttcctg tctttaaata attcaaactc acaaatccctg tgcctgtctg	1225
126 tatgcaaatg tggcacgaa tattcaaata aaatgcaaat gctatgctaa aaa	1278
129 <210> SEQ ID NO: 2	
130 <211> LENGTH: 359	

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/913,728

DATE: 01/22/2002

TIME: 10:30:33

Input Set : A:\84335143.app

Output Set: N:\CRF3\01182002\I913728.raw

131 <212> TYPE: PRT
 132 <213> ORGANISM: Mus musculus
 134 <400> SEQUENCE: 2
 135 Met Ala Trp Ala Leu Ala Val Ile Leu Leu Pro Arg Leu Leu Thr Ala
 136 1 5 10 15
 138 Ala Ala Ala Ala Ala Val Thr Ser Arg Gly Asp Val Thr Val Val
 139 20 25 30
 141 Cys His Asp Leu Glu Thr Val Glu Val Thr Trp Gly Ser Gly Pro Asp
 142 35 40 45
 144 His His Gly Ala Asn Leu Ser Leu Glu Phe Arg Tyr Gly Thr Gly Ala
 145 50 55 60
 147 Leu Gln Pro Cys Pro Arg Tyr Phe Leu Ser Gly Ala Gly Val Thr Ser
 148 65 70 75 80
 150 Gly Cys Ile Leu Pro Ala Ala Arg Ala Gly Leu Leu Glu Leu Ala Leu
 151 85 90 95
 153 Arg Asp Gly Gly Gly Ala Met Val Phe Lys Ala Arg Gln Arg Ala Ser
 154 100 105 110
 156 Ala Trp Leu Lys Pro Arg Pro Pro Trp Asn Val Thr Leu Leu Trp Thr
 157 115 120 125
 159 Pro Asp Gly Asp Val Thr Val Ser Trp Pro Ala His Ser Tyr Leu Gly
 160 130 135 140
 162 Leu Asp Tyr Glu Val Gln His Arg Glu Ser Asn Asp Asp Glu Asp Ala
 163 145 150 155 160
 165 Trp Gln Thr Thr Ser Gly Pro Cys Cys Asp Leu Thr Val Gly Gly Leu
 166 165 170 175
 168 Asp Pro Ala Arg Cys Tyr Asp Phe Arg Val Arg Ala Ser Pro Arg Ala
 169 180 185 190
 171 Ala His Tyr Gly Leu Glu Ala Gln Pro Ser Glu Trp Thr Ala Val Thr
 172 195 200 205
 174 Arg Leu Ser Gly Ala Ala Ser Ala Ala Ser Cys Thr Ala Ser Pro Ala
 175 210 215 220
 177 Pro Ser Pro Ala Leu Ala Pro Pro Leu Leu Pro Leu Gly Cys Gly Leu
 178 225 230 235 240
 180 Ala Ala Leu Leu Thr Leu Ser Leu Leu Leu Ala Ala Leu Arg Leu Arg
 181 245 250 255
 183 Arg Val Lys Asp Ala Leu Leu Pro Cys Val Pro Asp Pro Ser Gly Ser
 184 260 265 270
 186 Phe Pro Gly Leu Phe Glu Lys His His Gly Asn Phe Gln Ala Trp Ile
 187 275 280 285
 189 Ala Asp Ala Gln Ala Thr Ala Pro Pro Ala Arg Thr Glu Glu Glu Asp
 190 290 295 300
 192 Asp Leu Ile His Pro Lys Ala Lys Arg Val Glu Pro Glu Asp Gly Thr
 193 305 310 315 320
 195 Ser Leu Cys Thr Val Pro Arg Pro Pro Ser Phe Glu Pro Arg Gly Pro
 196 325 330 335
 198 Gly Gly Gly Ala Met Val Ser Val Gly Gly Ala Thr Phe Met Val Gly
 199 340 345 350
 201 Asp Ser Gly Tyr Met Thr Leu
 202 355

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/913,728

DATE: 01/22/2002

TIME: 10:30:33

Input Set : A:\84335143.app

Output Set: N:\CRF3\01182002\I913728.raw

205 <210> SEQ ID NO: 3
 206 <211> LENGTH: 804
 207 <212> TYPE: DNA
 208 <213> ORGANISM: Mus musculus
 210 <220> FEATURE:
 211 <221> NAME/KEY: CDS
 212 <222> LOCATION: (98)..(661)
 214 <400> SEQUENCE: 3

215 cqttttcgcc tctaagcgcc ctgggcgcggc tcgactcgga ccggctcgga ccgaaccaggc 60
 217 tgcataatcac tgcagcggtcc gggggcccccggcggcgc atg gca tgg gca ctc gcg 115
 218 Met Ala Trp Ala Leu Ala
 219 1 5
 221 gtc atc ctc ctg cct cgg ctc ctt acg gcg gca gcg gcg gcg gcg gcg 163
 222 Val Ile Leu Leu Pro Arg Leu Leu Thr Ala Ala Ala Ala Ala Ala
 223 10 15 20
 225 gtg acg tca cgg ggt gat gtc aca gtc gtc tgc cat gac ctg gag acg 211
 226 Val Thr Ser Arg Gly Asp Val Thr Val Val Cys His Asp Leu Glu Thr
 227 25 30 35
 229 gtg gag gtc acg tgg ggc tcg ggc ccc gac cac cac ggc gcc aac ttg 259
 230 Val Glu Val Thr Trp Gly Ser Gly Pro Asp His His Gly Ala Asn Leu
 231 40 45 50
 233 agc ctg gag ttc cgt tat ggt act ggc gcc ctg caa ccc tgc ccg cga 307
 234 Ser Leu Glu Phe Arg Tyr Gly Thr Gly Ala Leu Gln Pro Cys Pro Arg
 235 55 60 65 70
 237 tat ttc ctg tcc ggc gct ggt gtc act tcc ggg tgc atc ctc ccc gcg 355
 238 Tyr Phe Leu Ser Gly Ala Gly Val Thr Ser Gly Cys Ile Leu Pro Ala
 239 75 80 85
 241 gcg agg gcg ggg ctg ctg gag ctg gca ctg cgc gac gga ggc ggg gcc 403
 242 Ala Arg Ala Gly Leu Leu Glu Leu Ala Leu Arg Asp Gly Gly Ala
 243 90 95 100
 245 atg gtg ttt aag gct agg cag cgc gcg tcc gcc tgg ctg aag ccc cgc 451
 246 Met Val Phe Lys Ala Arg Gln Arg Ala Ser Ala Trp Leu Lys Pro Arg
 247 105 110 115
 249 cca cct tgg aat gtg acg ctg ctc tgg aca cca gac ggg gac gtg act 499
 250 Pro Pro Trp Asn Val Thr Leu Leu Trp Thr Pro Asp Gly Asp Val Thr
 251 120 125 130
 253 gtc tcc tgg cct gcc cac tcc tac ctg ggc ctg gac tac gag gtg cag 547
 254 Val Ser Trp Pro Ala His Ser Tyr Leu Gly Leu Asp Tyr Glu Val Gln
 255 135 140 145 150
 257 cac cgg gag agc aat gac gat gag gac gcc tgg cag acg acc tca ggg 595
 258 His Arg Glu Ser Asn Asp Asp Glu Asp Ala Trp Gln Thr Ser Gly
 259 155 160 165
 261 ccc tgc tgt gac ttg aca gtg ggc ggg gcc acg ttc atg gtg ggc gac 643
 262 Pro Cys Cys Asp Leu Thr Val Gly Ala Thr Phe Met Val Gly Asp
 263 170 175 180
 265 agc ggc tac atg acc ctg tgacacctgaa gtcactgcca gtctatactt 691
 266 Ser Gly Tyr Met Thr Leu
 267 185
 269 caggctgagg tcacttcctg tctttaaata attcaaactc acaaatcctg tgccgtctg 751

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/913,728

DATE: 01/22/2002

TIME: 10:30:33

Input Set : A:\84335143.app

Output Set: N:\CRF3\01182002\I913728.raw

271 tatgcaaatg tggcacgaa tattcaaata aatgcaaat gctatgctaa aaa 804
 274 <210> SEQ ID NO: 4
 275 <211> LENGTH: 188
 276 <212> TYPE: PRT
 277 <213> ORGANISM: Mus musculus
 279 <400> SEQUENCE: 4
 280 Met Ala Trp Ala Leu Ala Val Ile Leu Leu Pro Arg Leu Leu Thr Ala
 281 1 5 10 15
 283 Ala Ala Ala Ala Ala Val Thr Ser Arg Gly Asp Val Thr Val Val
 284 20 25 30
 286 Cys His Asp Leu Glu Thr Val Glu Val Thr Trp Gly Ser Gly Pro Asp
 287 35 40 45
 289 His His Gly Ala Asn Leu Ser Leu Glu Phe Arg Tyr Gly Thr Gly Ala
 290 50 55 60
 292 Leu Gln Pro Cys Pro Arg Tyr Phe Leu Ser Gly Ala Gly Val Thr Ser
 293 65 70 75 80
 295 Gly Cys Ile Leu Pro Ala Ala Arg Ala Gly Leu Leu Glu Leu Ala Leu
 296 85 90 95
 298 Arg Asp Gly Gly Ala Met Val Phe Lys Ala Arg Gln Arg Ala Ser
 299 100 105 110
 301 Ala Trp Leu Lys Pro Arg Pro Pro Trp Asn Val Thr Leu Leu Trp Thr
 302 115 120 125
 304 Pro Asp Gly Asp Val Thr Val Ser Trp Pro Ala His Ser Tyr Leu Gly
 305 130 135 140
 307 Leu Asp Tyr Glu Val Gln His Arg Glu Ser Asn Asp Asp Glu Asp Ala
 308 145 150 155 160
 310 Trp Gln Thr Thr Ser Gly Pro Cys Cys Asp Leu Thr Val Gly Gly Ala
 311 165 170 175
 313 Thr Phe Met Val Gly Asp Ser Gly Tyr Met Thr Leu
 314 180 185
 317 <210> SEQ ID NO: 5
 318 <211> LENGTH: 19
 319 <212> TYPE: DNA
 320 <213> ORGANISM: Artificial Sequence
 322 <220> FEATURE:
 323 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
 325 <400> SEQUENCE: 5
 326 qgggggtggac catccctcta 19
 329 <210> SEQ ID NO: 6
 330 <211> LENGTH: 20
 331 <212> TYPE: DNA
 332 <213> ORGANISM: Artificial Sequence
 334 <220> FEATURE:
 335 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
 337 <400> SEQUENCE: 6
 338 cqcgcaagctg taaacggtag 20
 341 <210> SEQ ID NO: 7
 342 <211> LENGTH: 25
 343 <212> TYPE: DNA



VERIFICATION SUMMARY

PATENT APPLICATION: US/09/913,728

DATE: 01/22/2002

TIME: 10:30:34

Input Set : A:\84335143.app

Output Set: N:\CRF3\01182002\I913728.raw

L:11 M:271 C: Current Filing Date differs. Replaced Current Filing Date
L:650 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:28
L:653 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:28
L:674 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:29
L:677 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:29
L:698 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:30
L:701 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:30
L:722 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:31
L:725 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:31
L:750 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:32
L:753 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:32
L:756 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:32
L:792 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:34